

PHOTOGRAPHIC INTERPRETATION REPORT



SELECTED DOWNRANGE
TRACKING FACILITIES
AT KAPUSTIN
YAR/VLADIMIROVKA
MISSILE TEST RANGE
USSR

DECEMBER 1967

COPY 116

10 PAGES

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Declass Review by NIMA / DoD

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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PHOTOGRAPHIC INTERPRETATION REPORT

**SELECTED DOWNRANGE
TRACKING FACILITIES
AT KAPUSTIN YAR/VLADIMIROVKA
MISSILE TEST RANGE, USSR**

DECEMBER 1967

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

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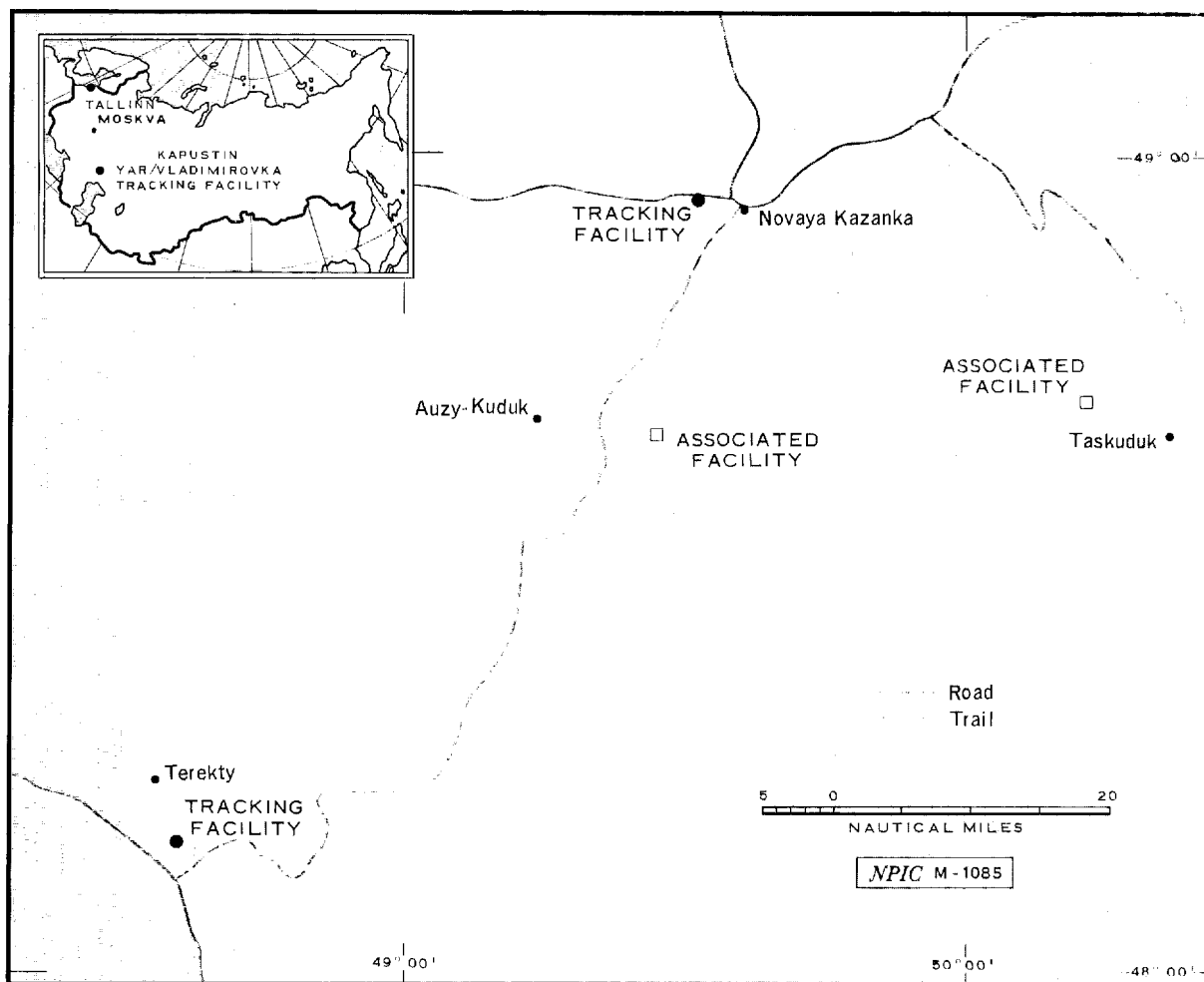


FIGURE 1. LOCATION OF SELECTED TRACKING FACILITIES OF THE KY/VLAD MISSILE TEST RANGE.

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INTRODUCTION

This report is in response to NSA requirement NSA/SOC/R137-67, which requests a detailed description of 5 downrange tracking facilities at Kapustin Yar/Vladimirovka Missile Test Range (KY/Vlad MTR). Two of the facilities have been identified as range tracking facilities, and 2 other facilities have been identified as range associated but they do not contain tracking equipment. The fifth facility has not been included in this report because it is not interpreted to be either a tracking facility or range associated. []

[] is the cutoff for information included in this report.

Mensuration was performed on large-scale photography. The dimensions of the buildings are accurate within plus or minus 5 feet or plus or minus 5 percent, whichever is greater.

KY/VLAD MTR TRACKING FACILITY (NEAR TEREKTY)

This tracking facility is at 48-10N 048-36E, near Terekty and approximately 100 nautical miles (nm) east-southeast of Launch Complex C (Figure 1). The tracking facility (Figures 2 and 3) consists of an instrumentation section, an administration section, a maintenance and housing section, 2 communications facilities, and a Vee-shaped natural-surface landing strip (1,500 by 115 feet and [] 100 feet, oriented east/west and southeast/northwest respectively).

The instrumentation section contains a [] foot-diameter Radar A environmental dome (item 9b, Figure 3) and a probable SHIP WHEEL/FIRE WHEEL radar (item 8). In addition, to the east of the tracking radars are 2 BAR LOCK radars on mounds with their antennas directed toward Complex C. Two large and 4 smaller control/support buildings are also in this area. An instrumentation position to the south of the facility contains 2 buildings, a tower of undeter-

mined function, and 7 vans/trucks.

Two communications facilities are near the tracking facility. Communications facility 1 is to the east of the main area and contains 2 buildings, 1 dipole antenna (item 29a) oriented toward Complex C, and 2 masts each [] high near the control building. Communications facility 2 is to the north-northwest of the main area and contains 4 buildings and 2 dipole antennas (items 30a and b) which appear to be oriented toward Complex C.

The administration section and the maintenance and housing section make up the other part of the main facility. These 2 sections contain 2 administration/support buildings, 11 buildings of undetermined function, and 1 earth-mounded building. The facility also contains a small motor pool with a vehicle maintenance building, a vehicle parking area, and an athletic field.

KY/VLAD MTR TRACKING FACILITY (NEAR NOVAYA KAZANKA)

This tracking facility is at 48-57N 049-30E, near Novaya Kazanka and approximately 135 nm east-northeast of Launch Complex C (Figure 1). The tracking facility (Figures 4 and 5) consists of an instrumentation section, an administration and support section, a housing section, a motor pool, a probable communications/instrumentation section, and a natural-surface landing strip (2,330 by 325 feet and oriented east-northeast/west-southwest).

The instrumentation section contains a [] foot-diameter Radar A environmental dome (item 46a, Figure 5) and a probable SHIP WHEEL/FIRE WHEEL radar (item 47). In addition to the tracking radars, the section contains 2 large instrumentation buildings. The larger of the 2 instrumentation buildings is near the radars and has 1 instrument position on the roof. The other building, near the motor pool, supports 5 telemetry/tracking positions, and is connected by cables to the larger build-

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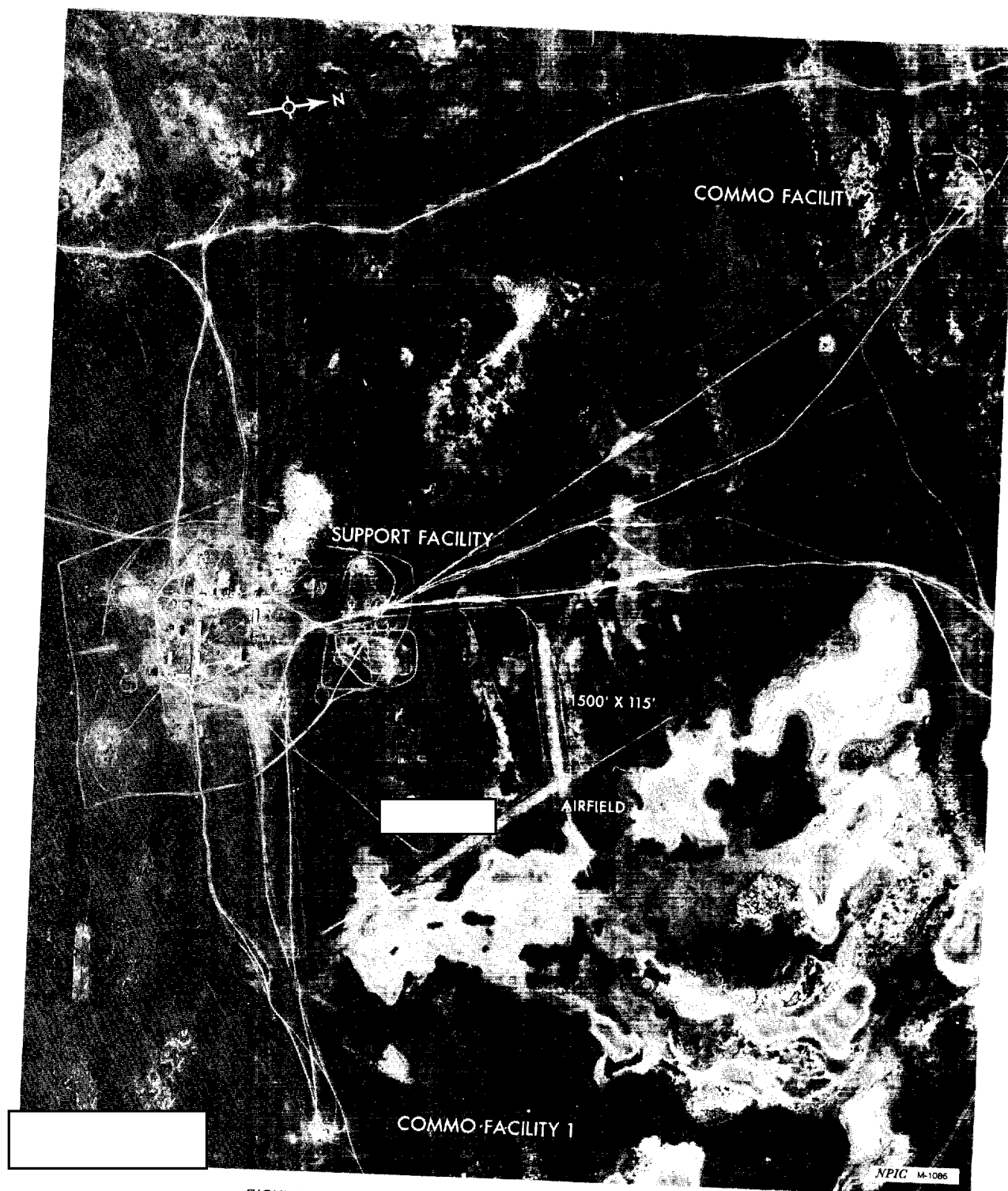
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FIGURE 2. KY/VLAD MTR TRACKING FACILITY NEAR TEREKTY.

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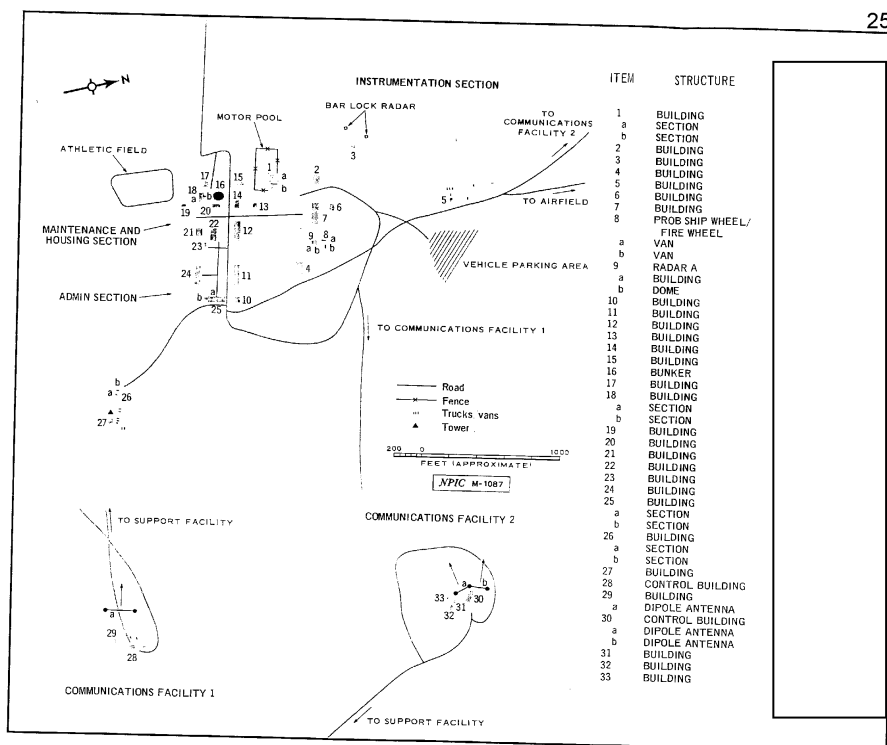


FIGURE 3. LAYOUT OF KY/VLAD MTR TRACKING FACILITY NEAR TEREITY.

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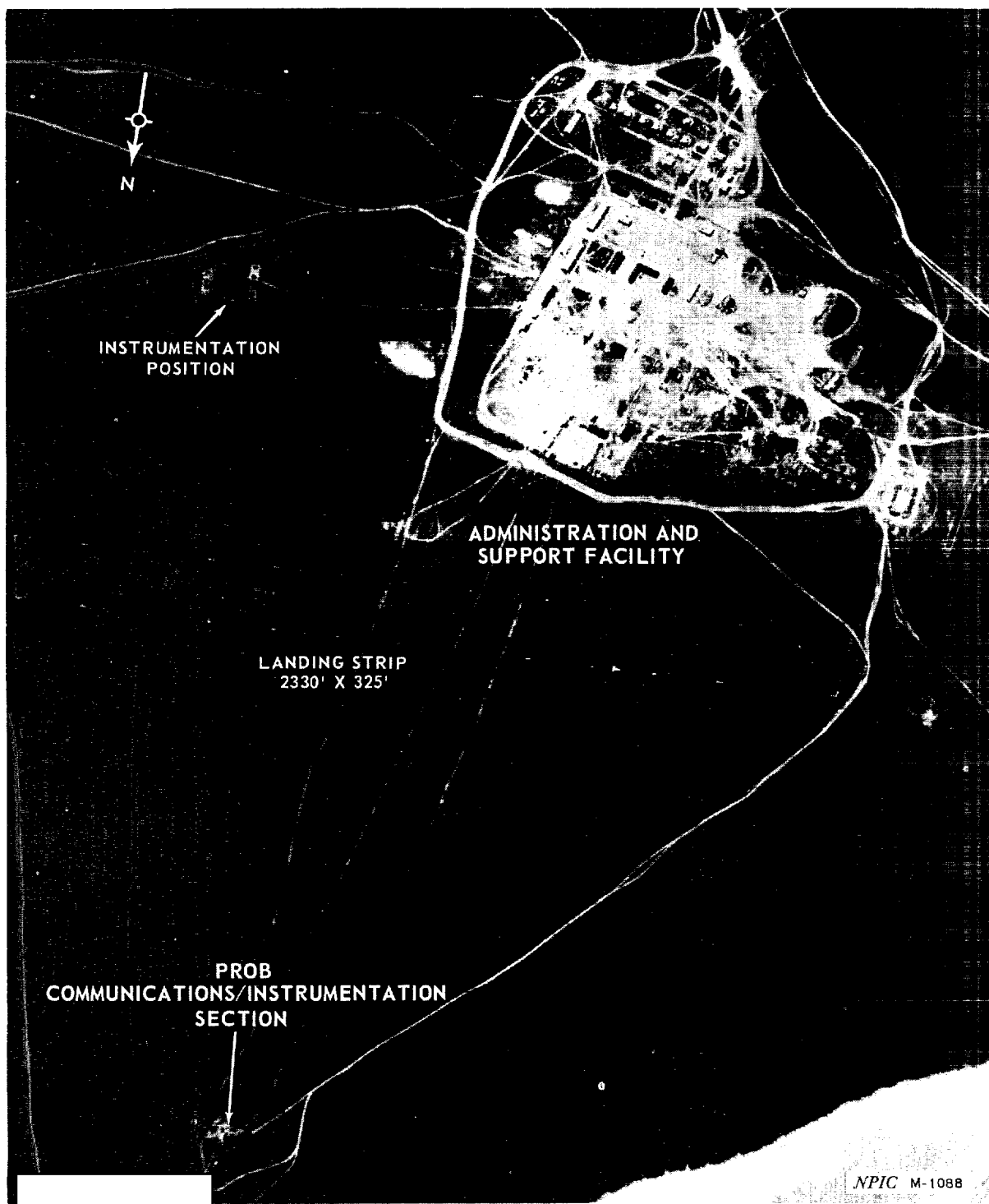
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FIGURE 4. KY/VLAD MTR TRACKING FACILITY NEAR NOVAYA KAZANKA.

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ing. Five support buildings in this area and 3 mounded instrument positions all appear to be unoccupied. A probable dipole antenna is at the northwest corner of the larger instrumentation building and is oriented toward Complex C. An instrumentation position is to the east of the facility and contains 6 vans/trucks. To the north of the main facility is a fence-secured probable communications/instrumentation section which contains 3 buildings.

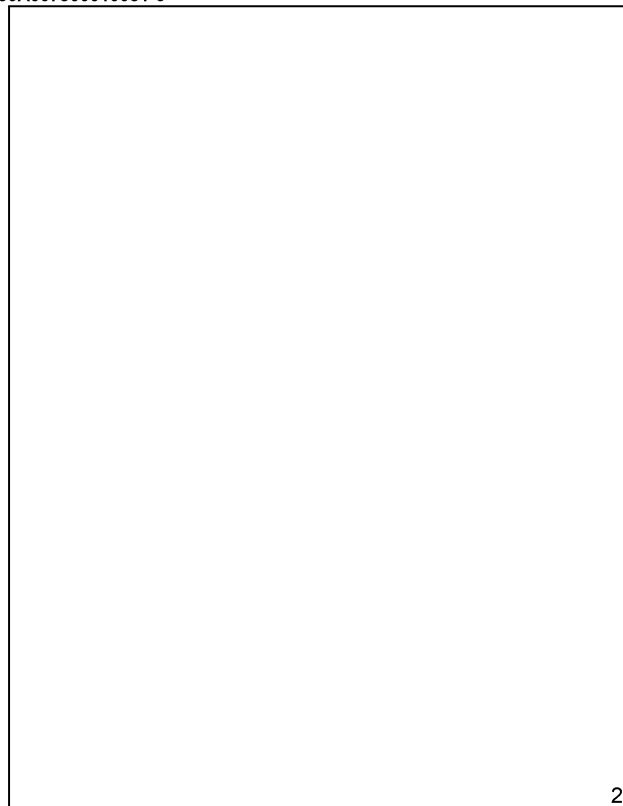
The administration and support section and the housing section contain 2 administration/support buildings, a heat and power plant, 5 earth-mounded buildings, 13 houses, and numerous support buildings. The facility also contains a small motor pool with a vehicle maintenance building and a vehicle parking area.

KY/VLAD MTR ASSOCIATED FACILITIES

KY/Vlad MTR associated facilities are near Auzy-Kuduk and Taskuduk and are at 48-40N 049-26E and 48-43N 050-12E respectively (Figure 1).

The facility near Auzy-Kuduk is approximately 124 nm east of Launch Complex C. The facility consists of a small open area which contains 12 buildings, 2 tents, and 11 vans/trucks (Figure 6). No tracking/instrumentation positions have been observed in this area; however, due to its location, the type of buildings, and the number of vans/trucks, the area does appear to be range associated.

The facility near Taskuduk is approximately 164 nm east of Launch Complex C. The facility consists of a small fence-secured area which contains 1 large building, 2 medium-size buildings, 2 small buildings, and 2 trucks (Figure 7). Although this facility does not appear to be a KY/Vlad MTR tracking facility, it does appear to be a possible instrumentation facility; however, no instrumentation positions have been identified in the area.



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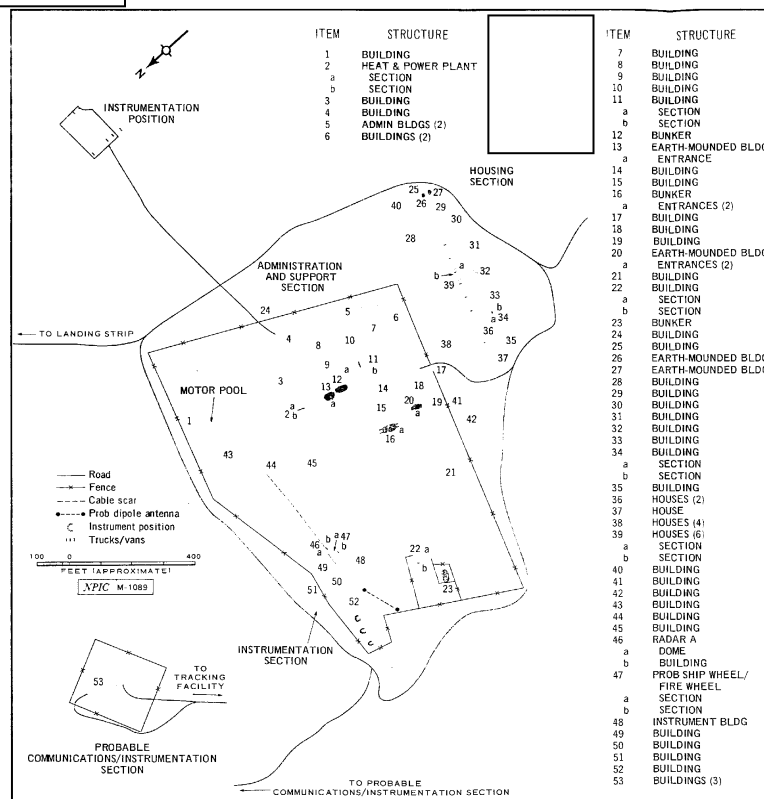


FIGURE 5. LAYOUT OF KY/VLAD MTR TRACKING FACILITY NEAR NOVAYA KAZANKA.

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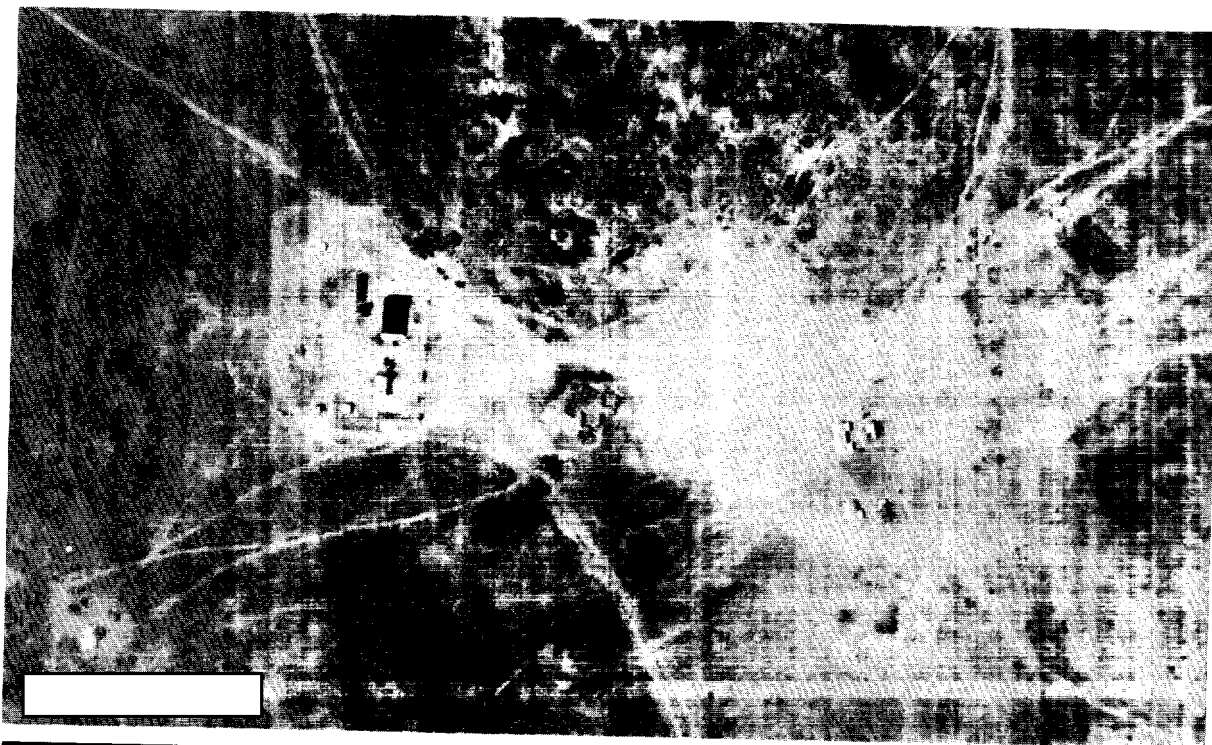
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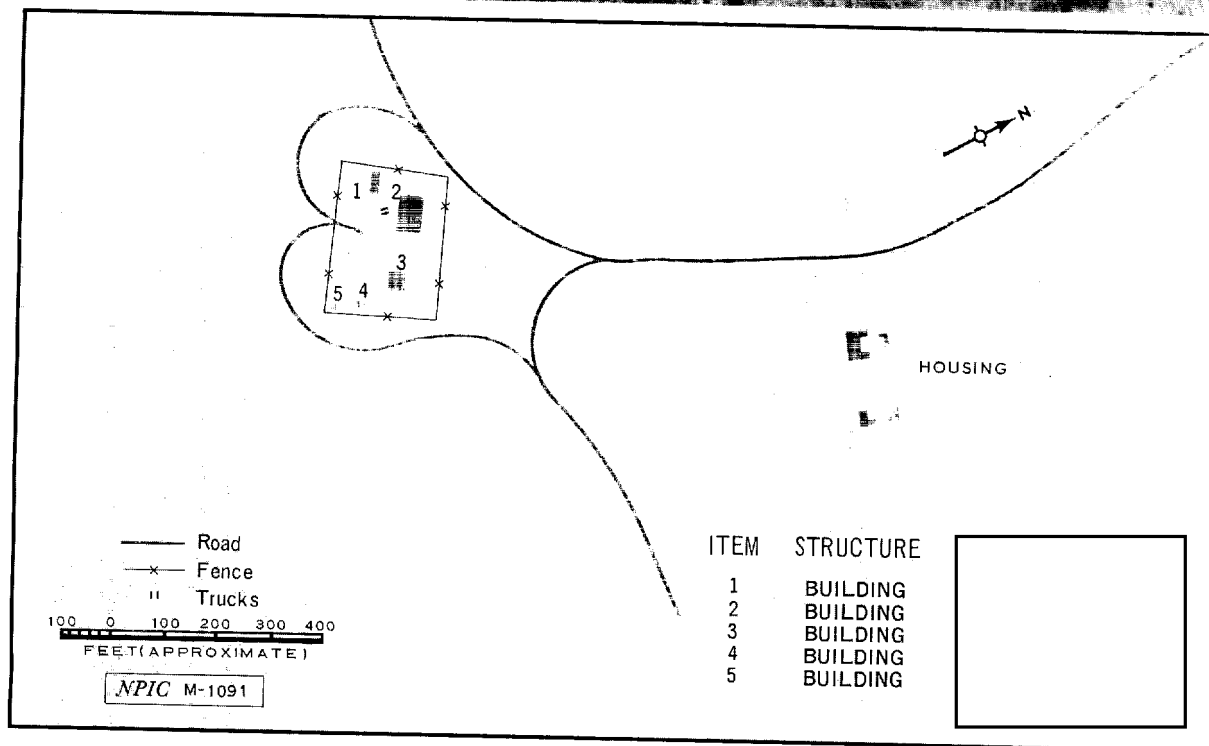
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FIGURE 7. KY/VLAD MTR ASSOCIATED FACILITY NEAR TASKUDUK.

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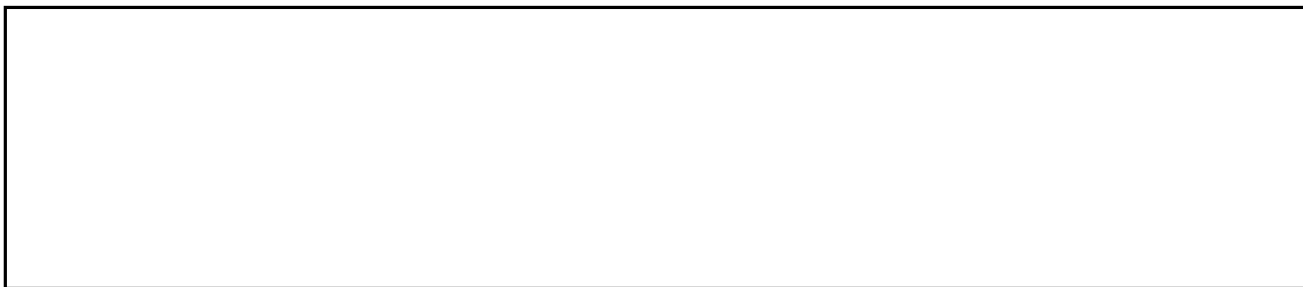
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REFERENCES

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MAPS OR CHARTS

ACIC series, scale 1:1,000,000

REQUIREMENT

NSA. SOC/R137/67

NPIC PROJECT

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